

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently amended) A rolling code responsive movable barrier operator system for controlling access to a secure area comprising:

a fingerprint communicating unit disposed outside the secure area and remote from a barrier movement operator inside the secure area, the fingerprint communicating unit comprising:

a fingerprint sensor disposed outside the secure area for generating a signal representative of a fingerprint;

a transmitter controller which combines the signal representing the fingerprint with a rolling code to provide a combined signal, which rolling code changes in accordance with a predetermined algorithm to produce a changing encoded signal with each encoded signal transmission;

a transmitter for emitting the changing encoded signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code; and

the barrier movement operator comprising:

a receiver inside the secure area for receiving the changing encoded signal representative of the fingerprint, the receiver having a learning mode in which the signal representing a fingerprint emitted by the transmitter is received by the barrier movement operator and stored in a memory thereof;

a fingerprint circuit disposed inside the secure area and responsive to the received changing encoded signal for decoding the changing encoded signal to identify the signal representing a fingerprint and for determining whether the signal representing a fingerprint is representative of an authorized user, the finger print circuit effective for receiving a finger print identifying signal representative of the finger print, separating the received combined signal representative of the

fingerprinting from the rolling code, and reading the stored signal representative of a finger print to verify authorized users;

rolling code acceptance apparatus for determining whether the rolling code is acceptable; and
a barrier operator circuit for commanding a barrier to assume a particular position when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable .

2. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint sensor comprises an optical fingerprint sensor.

3. (Previously presented) A movable barrier operator system according to claim 2 wherein the optical fingerprint sensor is an electroluminescent fingerprint sensor.

4. (Previously presented) A movable barrier operator system according to claim 2 wherein the fingerprint sensor comprises a charged coupled device for generating a signal from which the signal representative of the sensed fingerprint is produced.

5. (Previously presented) A movable barrier operator system according to claim 1 wherein the transmitter comprises a radio frequency transmitter and the signal representative of the sensed fingerprint is a radio frequency signal.

6. (Currently Amended) A movable barrier operator system according to claim 1 wherein the transmitter comprises ~~comprise~~ a wall control.

7. (Previously presented) A movable barrier operator system according to claim 1 further comprising a memory associated with the fingerprint sensor and the transmitter for storing information indicative of the fingerprint.

8. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint circuit compares a coded identification transmission for operation of the barrier operator circuit.

9. -13 (Cancel)

14. (New) A rolling code responsive movable barrier operator system for controlling access to a secure area comprising:

- a fingerprint sensor disposed outside the secure area for generating a signal representative of a fingerprint;

- a transmitter controller outside the secured area which combines the signal representing the fingerprint with a rolling code to provide a combined signal, which rolling code changes in accordance with a predetermined algorithm to produce a changing encoded signal with each encoded signal transmission;

- a transmitter outside the secured area for emitting the changing encoded signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code;

- a receiver inside the secure area for receiving the changing encoded signal representative of the fingerprint, the receiver having a learning mode in which the signal representing a fingerprint emitted by the transmitter is received by the receiver and stored in a memory;

- a fingerprint circuit disposed inside the secure area and responsive to the received changing encoded signal for decoding the changing encoded signal to identify the signal representing a fingerprint and for determining whether the signal representing a fingerprint is representative of an authorized user, the fingerprint circuit effective for receiving a fingerprint identifying signal representative of the fingerprint, separating the received combined signal representative of the fingerprint from the rolling code, and reading the stored signal representative of a fingerprint to verify authorized users;

rolling code acceptance apparatus inside the secured area for determining whether the rolling code is acceptable; and

a barrier operator circuit inside the secured area for commanding a barrier to assume a particular position when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable .

15. (New) A method for controlling a moveable barrier operator, the method comprising:

generating a signal representative of a fingerprint from a fingerprint sensor disposed outside the secure area;

with a transmitter controller outside the secured area combining the signal representing the fingerprint with a rolling code to provide a combined signal, which rolling code changes in accordance with a predetermined algorithm to produce a changing encoded signal with each encoded signal transmission and which rolling code changes in accordance with a predetermined algorithm to produce a changing encoded signal with each encoded signal transmission;

emitting with a transmitter outside the secured area the changing encoded signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code;

receiving the changing encoded signal representative of the fingerprint with a receiver inside the secured area, the receiver having a learning mode in which the signal representing a fingerprint emitted by the transmitter is received by the barrier movement operator and stored in a memory ;

determining whether the signal representing a fingerprint is representative of an authorized user with a fingerprint circuit disposed inside the secure area, the finger print circuit responsive to the received changing encoded signal for decoding the changing encoded signal to identify the signal representing a fingerprint, the finger print circuit effective for receiving a finger print identifying signal representative of the finger print, separating the received combined signal representative of the fingerprint from the rolling code, and reading the stored signal representative of a finger print to verify authorized users;

determining whether the rolling code is acceptable with a rolling code acceptance apparatus

inside the secured area; and

commanding a barrier operator to assume a particular position with a barrier operator circuit when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable.

16. (New) A method according to claim 15 wherein the fingerprint sensor comprises an optical fingerprint sensor.

17. (New) A method according to claim 16 wherein the optical fingerprint sensor is an electroluminescent fingerprint sensor.

18. (New) A method according to claim 15 wherein the fingerprint sensor comprises a charged coupled device for generating a signal from which the signal representative of the sensed fingerprint is produced.

19. (New) A method according to claim 15 wherein the transmitter comprises a radio frequency transmitter and the signal representative of the sensed fingerprint is a radio frequency signal.